

JUN 25 1990
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INCH-POUND

MIL-C-123/17

21 November 1989

MILITARY SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, LEADED,
STYLE CKS23

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-123.

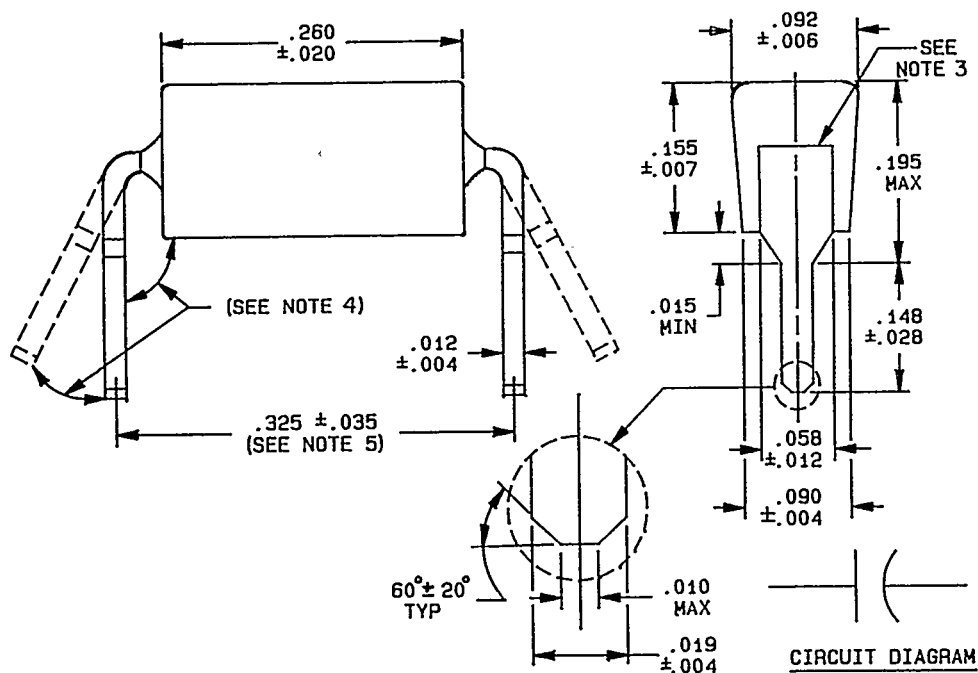


FIGURE 1. Style CKS23 capacitors.

AMSC N/A

DISTRIBUTION STATEMENT A.

1 of 4

Approved for public release; distribution is unlimited.

FSC 5910



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REPRODUCED BY

Inches	mm	Inches	mm
.004	0.10	.035	0.89
.006	0.15	.058	1.47
.007	0.18	.090	2.29
.010	0.25	.092	2.34
.012	0.30	.148	3.76
.015	0.38	.155	3.94
.019	0.48	.195	4.95
.020	0.51	.260	6.60
.028	0.71	.325	8.26

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Leads shall be centered within $\pm .005$ (0.13 mm).
4. The angle shall be $95^\circ +10^\circ, -5^\circ$.
5. The distance between the centers of the mounting holes will be $.300 \pm .010$ inch (7.62 ± 0.25 mm).
6. Nonconductive material shall not extend beyond .030 inch (0.76 mm) from the edge of the capacitor body.

FIGURE 1. Style CKS23 capacitors - Continued.

TABLE I. Style CKS23 characteristics.

Part number <u>1/</u>	Capacitance (pF)	Capacitance tolerance	Voltage- temperature limits	Rated voltage (V dc)
M123A17BPD561-C	560	F,J,K	BP	200
M123A17BPD681-C	680	"	"	"
M123A17BPD821-C	820	"	"	"
M123A17BPD102-C	1000	"	"	"
M123A17BPD122-C	1200	"	"	"
M123A17BPC272-C	2700	"	"	100
M123A17BPC332-C	3300	"	"	100
M123A17BPD472-C	4700	"	"	50
M123A17BPD562-C	5600	"	"	"
M123A17BPD682-C	6800	"	"	"
M123A17BPD822-C	8200	"	"	"
M123A17BPD103-C	10000	"	"	"
M123A17BXD102-C	1000	K,M	BX	200
M123A17BXD122KC	1200	K	"	"
M123A17BXD152-C	1500	K,M	"	"
M123A17BXD182KC	1800	K	"	"
M123A17BXD222-C	2200	K,M	"	"
M123A17BXD272KC	2700	K	"	"
M123A17BXD332-C	3300	K,M	"	"
M123A17BXD392KC	3900	K	"	"
M123A17BPD472-C	4700	K,M	"	"
M123A17BXD562KC	5600	K	"	"
M123A17BXD682-C	6800	K,M	"	"
M123A17BXD822KC	8200	K	"	"
M123A17BXD103-C	10000	K,M	"	"
M123A17BXC123KC	12000	K	"	100
M123A17BXC153-C	15000	K,M	"	"
M123A17BXC183KC	18000	K	"	"
M123A17BXC223-C	22000	K,M	"	"
M123A17BXC273KC	27000	K	"	"
M123A17BXC333-C	33000	K,M	"	"
M123A17BXC393KC	39000	K	"	"
M123A17BXC473-C	47000	K,M	"	"
M123A17BXC563KC	56000	K	"	"
M123A17BXC683-C	68000	K,M	"	"
M123A17BXC823KC	82000	K	"	"
M123A17BXC104-C	100000	K,M	"	"
M123A17BXC124KC	120000	K	"	50
M123A17BXC154-C	150000	K,M	"	"
M123A17BXC184KC	180000	K	"	"
M123A17BXC224-C	220000	K,M	"	"

1/ The complete part number shall include a symbol to indicate capacitance tolerance, as applicable.

MIL-C-123/17

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case type: Molded plastic encapsulated.

Lead wire: Type C of MIL-C-123.

Capacitance value: See table I.

Capacitance tolerance: See table I.

Operating temperature: -55°C to +125°C.

Voltage rating: See table I.

Pre-encapsulation terminal strength: In accordance with MIL-C-123.

Marking: In accordance with MIL-C-123, example 6.

CONCLUDING MATERIAL

Custodians:

Air Force - 19
NASA - NA

Review activities:

Army - ER
Navy - EC
Air Force - 85
DLA - ES

Preparing activity:
NASA - NA

Agent:
DLA - ES

(Project 5910-1626-2)